

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> (Only for new non-provisional applications under 37 CFR 1.53(b))		Attorney Docket No. <b>70025250-0003</b>			
		First Named Inventor <b>Gordon S. Rrells</b>			
		Title: <b>Methods and Systems for Determining the Orientation of Natural Fractures</b>			
		Express Mail Label No: <b>EV328245491US</b>			
ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450					
<b>APPLICATION ELEMENTS</b> <i>See MPEP chapter 600 concerning utility patent application contents.</i>		<b>ACCOMPANYING APPLICATION PARTS</b>			
1. <input checked="" type="checkbox"/> Specification Total Pages <u>26</u> 2. <input checked="" type="checkbox"/> Drawing(s) (35USC 113) Total Pages <u>13</u> 3. <input checked="" type="checkbox"/> Declaration and Power of Attorney Total Pages <u>3</u>  a. <input checked="" type="checkbox"/> Unexecuted(original or copy) b. <input type="checkbox"/> Copy from prior application (37CFR 1.63(d)) (for continuation/divisional with Box 14 completed) [Note Box 4 Below] i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting Inventor(s) named in the prior appln., see 37 CFR 1.63(d)(2) and 1.33(b).  4. <input type="checkbox"/> Incorporation By Reference (usable if Box 3b is checked). The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 3b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.		5. <input type="checkbox"/> Assignment Papers (cover sheet & documentation)  6. <input checked="" type="checkbox"/> Letter under 37 CFR 1.41(c). 7. <input type="checkbox"/> English Translation Document to follow (if applicable) 8. <input type="checkbox"/> Information Disclosure <input type="checkbox"/> Copies of IDS <input type="checkbox"/> Statement PTO-1449 Citations 9. <input type="checkbox"/> Preliminary Amendment 10. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 11. <input checked="" type="checkbox"/> Applicant is a Small Business Entity  12. <input checked="" type="checkbox"/> A claim of priority is being made to the Provisional Application entitled "Microseismic Source Parameters", Attorney Docket No. 00000000-0000, filed on September 18, 2003 via Express Mail No. EV332954815..			
14. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) <input type="checkbox"/> of prior application No: _____					
<b>CLAIMS AS FILED</b>					
	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) BASIC FEE
					\$375.00
	TOTAL CLAIMS	22	2	\$9.00	18.00
	INDEPENDENT CLAIMS	4	1	42.00	42.00
	ANY MULTIPLE DEPENDENT CLAIMS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			140.00	0.00
				<b>TOTAL FEE</b>	<b>\$435.00</b>
<input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required in connection with this application, or credit any overpayment to ACCOUNT NO. 19-3140. A duplicate copy of this sheet is enclosed. <input checked="" type="checkbox"/> Please charge attorney's firm American Express Account No. <u>378571697401002</u> in the amount of \$ <u>435.00</u> to cover the above fees. PTO Form 2038 is enclosed for that purpose. <input type="checkbox"/> A check in the amount of \$ _____ to cover the filing fee is enclosed.					

15. CORRESPONDENCE ADDRESS: Sonnenschein, Nath & Rosenthal LLP  
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Signature:

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(Reg. No. 45,034)

Date: September 30, 2003

Christopher P. Rauch (Reg. No. 45.034)

22141 U.S. PTO  
 10/674937  
 09/30/03

**Christopher P. Rauch**  
312/876-2606

September 30, 2003

Commissioner for Patents  
Mail Stop Patent Application  
P.O. Box 1450  
Alexandria, VA 22313-1450

RE: New U.S. Application for Letters Patent entitled  
"METHODS AND SYSTEMS FOR DETERMINING THE ORIENTATION  
OF NATURAL FRACTURES"  
Applicant(s): Gordon Sorrells, et al.  
Attorney Docket No. 70025250-0003

Dear Sir:

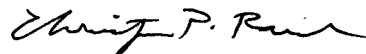
Under the provisions of 37 C.F.R. §1.41(c), I am filing the attached application, including 22 claims (4 independent), 13 sheets of drawings (Figs. 1-10) and the filing fee of \$435.00 on behalf of

GORDON SORRELLS, NORMAN WARPINSKI, CHRIS WRIGHT  
and ERIC DAVIS

and request that the application be assigned a serial number and filing date pursuant to the provisions of 37 C.F.R. §1.53(b) and 37 C.F.R. §1.53(d).

Very truly yours,

SONNENSCHN NATH & ROSENTHAL LLP



By:

Christopher P. Rauch

CPR:kat  
Enclosures

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**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

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Date of Deposit: September 30, 2003

I hereby certify that this correspondence is being deposited with the United States Postal "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Applicant(s): Gordon Sorrells, Norman Warpinski, Chris Wright and Eric Davis

Attorney Docket No. 70025250-0003

Specification (26 pages)

Utility Patent Application Transmittal

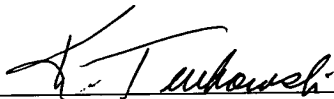
\$435.00 Filing fee (22 claims - 4 independent-Small Entity - to be charged to AMEX acct.))

Drawings (13 sheets - Figs. 1-10)

Unexecuted Oath and Declaration

Letter Under 37 C.F.R. §1.41(c)

Return postcard



Signature of Person Mailing Application and Fees